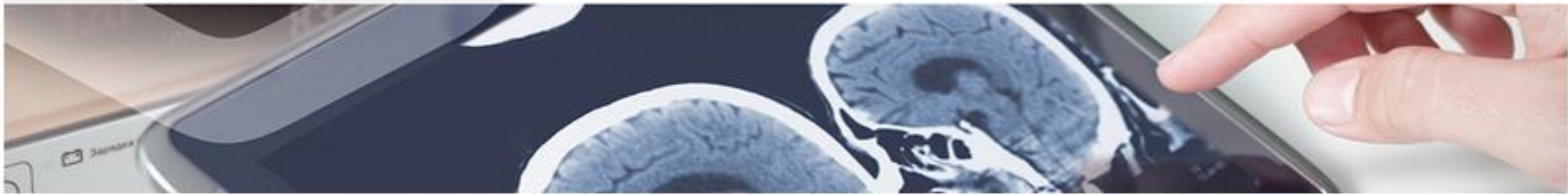




Gene therapy Polynucleotide for physiological expression in T cells

A research group from the Andalusian Public Health System has developed a new system to generate T lymphocytes for use in immunotherapy.

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Description

The research group has succeeded in generating new specific T lymphocytes through the genetic transfer of transgenic T cell receptors or chimeric antigen receptors (CAR) following the expression pattern of TCR and thus avoiding high levels of expression on the surface of T cells.



Intellectual Property

The technology is protected by a Spanish patent application.



Advantages

The advantages provided by this new system for obtaining lymphocytes are directly related to the physiological expression of the TCR, which would lead to a more effective long-term therapy and would reduce serious adverse effects such as cytokine storm.



Aims

The research group is looking for a collaboration agreement for further development or a licence agreement.



Classification

Technology: Gene therapy
Pathology: Oncology and Infectious Diseases